

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866)
217-9197 (toll free).

Reviewer: markspencer

Timestamp: [year=2008; month=4; day=30; hr=16; min=38; sec=26; ms=200;]

=====

Application No: 10646268 Version No: 3.0

Input Set:

Output Set:

Started: 2008-04-17 12:19:05.610
Finished: 2008-04-17 12:19:06.424
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 814 ms
Total Warnings: 10
Total Errors: 0
No. of SeqIDs Defined: 14
Actual SeqID Count: 14

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)

SEQUENCE LISTING

<110> Marchionni, Mark
 Kelly, Ralph
 Lorell, Beverly
 Sawyer, Douglas B.

<120> Method for Treating Congestive Heart Failure

<130> 1094-1-028DIV

<140> 10646268

<141> 2003-08-22

<150> 09/298,121

<151> 1999-04-23

<160> 14

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 1

tgtgctagtc aagagtccca accac 25

<210> 2

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 2

ccttctctcg gtactaagta ttcag 25

<210> 3

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic Oligonucleotide

<400> 3

gcttaaagtg cttggctcgg gtgtc 25

<210> 4
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 4
tcctacacac tgacactttc tctt 24

<210> 5
<211> 26
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 5
aattcaccca tcagagtgac gtttgg 26

<210> 6
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 6
tcctgcaggt agtctgggtg ctg 23

<210> 7
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 7
gctggctccg atgtatttga tggt 24

<210> 8
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 8
gttctctgcc gtaggtgtcc cttt 24

<210> 9
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 9
gcatcactgg ctgattctgg ag 22

<210> 10
<211> 22
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide

<400> 10
cacatgccgg ttatggtcag ca 22

<210> 11
<211> 754
<212> PRT
<213> Rattus norvegicus

<400> 11
Met Arg Arg Asp Pro Ala Pro Gly Phe Ser Met Leu Leu Phe Gly Val
1 5 10 15
Ser Leu Ala Cys Tyr Ser Pro Ser Leu Lys Ser Val Gln Asp Gln Ala
20 25 30
Tyr Lys Ala Pro Val Val Val Glu Gly Lys Val Gln Gly Leu Ala Pro
35 40 45
Ala Gly Gly Ser Ser Ser Asn Ser Thr Arg Glu Pro Pro Ala Ser Gly
50 55 60
Arg Val Ala Leu Val Lys Val Leu Asp Lys Trp Pro Leu Arg Ser Gly
65 70 75 80
Gly Leu Gln Arg Glu Gln Val Ile Ser Val Gly Ser Cys Ala Pro Leu
85 90 95
Glu Arg Asn Gln Arg Tyr Ile Phe Phe Leu Glu Pro Thr Glu Gln Pro
100 105 110
Leu Val Phe Lys Thr Ala Phe Ala Pro Val Asp Pro Asn Gly Lys Asn
115 120 125
Ile Lys Lys Glu Val Gly Lys Ile Leu Cys Thr Asp Cys Ala Thr Arg
130 135 140
Pro Lys Leu Lys Lys Met Lys Ser Gln Thr Gly Glu Val Gly Glu Lys
145 150 155 160
Gln Ser Leu Lys Cys Glu Ala Ala Ala Gly Asn Pro Gln Pro Ser Tyr
165 170 175

Arg	Trp	Phe	Lys	Asp	Gly	Lys	Glu	Leu	Asn	Arg	Ser	Arg	Asp	Ile	Arg
			180					185					190		
Ile	Lys	Tyr	Gly	Asn	Gly	Arg	Lys	Asn	Ser	Arg	Leu	Gln	Phe	Asn	Lys
		195					200					205			
Val	Lys	Val	Glu	Asp	Ala	Gly	Glu	Tyr	Val	Cys	Glu	Ala	Glu	Asn	Ile
	210					215					220				
Leu	Gly	Lys	Asp	Thr	Val	Arg	Gly	Arg	Leu	His	Val	Asn	Ser	Val	Ser
225				230						235					240
Thr	Thr	Leu	Ser	Ser	Trp	Ser	Gly	His	Ala	Arg	Lys	Cys	Asn	Glu	Thr
			245					250						255	
Ala	Lys	Ser	Tyr	Cys	Val	Asn	Gly	Gly	Val	Cys	Tyr	Tyr	Ile	Glu	Gly
			260					265					270		
Ile	Asn	Gln	Leu	Ser	Cys	Lys	Cys	Pro	Val	Gly	Tyr	Thr	Gly	Asp	Arg
		275					280					285			
Cys	Gln	Gln	Phe	Ala	Met	Val	Asn	Phe	Ser	Lys	His	Leu	Gly	Phe	Glu
	290					295					300				
Leu	Lys	Glu	Ala	Glu	Glu	Leu	Tyr	Gln	Lys	Arg	Val	Leu	Thr	Ile	Thr
305				310						315					320
Gly	Ile	Cys	Val	Ala	Leu	Leu	Val	Val	Gly	Ile	Val	Cys	Val	Val	Ala
			325					330						335	
Tyr	Cys	Lys	Thr	Lys	Lys	Gln	Arg	Arg	Gln	Met	His	His	His	Leu	Arg
			340					345					350		
Gln	Asn	Met	Cys	Pro	Ala	His	Gln	Asn	Arg	Ser	Leu	Ala	Asn	Gly	Pro
		355					360					365			
Ser	His	Pro	Arg	Leu	Asp	Pro	Glu	Glu	Ile	Gln	Met	Ala	Asp	Tyr	Ile
	370					375					380				
Ser	Lys	Asn	Val	Pro	Ala	Thr	Asp	His	Val	Ile	Arg	Arg	Glu	Ala	Glu
385				390						395					400
Thr	Thr	Phe	Ser	Gly	Ser	His	Ser	Cys	Ser	Pro	Ser	His	His	Cys	Ser
			405					410						415	
Thr	Ala	Thr	Pro	Thr	Ser	Ser	His	Arg	His	Glu	Ser	His	Thr	Trp	Ser
			420					425					430		
Leu	Glu	Arg	Ser	Glu	Ser	Leu	Thr	Ser	Asp	Ser	Gln	Ser	Gly	Ile	Met
	435						440					445			
Leu	Ser	Ser	Val	Gly	Thr	Ser	Lys	Cys	Asn	Ser	Pro	Ala	Cys	Val	Glu
	450					455					460				
Ala	Arg	Ala	Arg	Arg	Ala	Ala	Ala	Tyr	Ser	Gln	Glu	Glu	Arg	Arg	Arg
465				470						475					480
Ala	Ala	Met	Pro	Pro	Tyr	His	Asp	Ser	Ile	Asp	Ser	Leu	Arg	Asp	Ser
			485					490						495	
Pro	His	Ser	Glu	Arg	Tyr	Val	Ser	Ala	Leu	Thr	Thr	Pro	Ala	Arg	Leu
			500					505					510		
Ser	Pro	Val	Asp	Phe	His	Tyr	Ser	Leu	Ala	Thr	Gln	Val	Pro	Thr	Phe
	515						520					525			
Glu	Ile	Thr	Ser	Pro	Asn										

625		630		635		640									
Ser	Ala	Gly	Pro	Arg	Arg	Trp	Arg	Arg	Ser	Arg	Leu	Asn	Gly	Leu	Ala
		645		650		655									
Ala	Gln	Arg	Ala	Arg	Ala	Ala	Arg	Asp	Ser	Leu	Ser	Leu	Ser	Ser	Gly
		660		665		670									
Ser	Gly	Cys	Gly	Ser	Ala	Ser	Ala	Ser	Asp	Asp	Asp	Ala	Asp	Asp	Ala
		675		680		685									
Asp	Gly	Ala	Leu	Ala	Ala	Glu	Ser	Thr	Pro	Phe	Leu	Gly	Leu	Arg	Ala
		690		695		700									
Ala	His	Asp	Ala	Leu	Arg	Ser	Asp	Ser	Pro	Pro	Leu	Cys	Pro	Ala	Ala
705				710				715						720	
Asp	Ser	Arg	Thr	Tyr	Tyr	Ser	Leu	Asp	Ser	His	Ser	Thr	Arg	Ala	Ser
			725					730						735	
Ser	Arg	His	Ser	Arg	Gly	Pro	Pro	Thr	Arg	Ala	Lys	Gln	Asp	Ser	Gly
		740						745					750		
Pro	Leu														

<210> 12
 <211> 330
 <212> PRT
 <213> Rattus norvegicus

<400> 12
Met Arg Arg Asp Pro Ala Pro Gly Phe Ser Met Leu Leu Phe Gly Val
1 5 10 15
Ser Leu Ala Cys Tyr Ser Pro Ser Leu Lys Ser Val Gln Asp Gln Ala
20 25 30
Tyr Lys Ala Pro Val Val Val Glu Gly Lys Val Gln Gly Leu Ala Pro
35 40 45
Ala Gly Gly Ser Ser Ser Asn Ser Thr Arg Glu Pro Pro Ala Ser Gly
50 55 60
Arg Val Ala Leu Val Lys Val Leu Asp Lys Trp Pro Leu Arg Ser Gly
65 70 75 80
Gly Leu Gln Arg Glu Gln Val Ile Ser Val Gly Ser Cys Ala Pro Leu
85 90 95
Glu Arg Asn Gln Arg Tyr Ile Phe Phe Leu Glu Pro Thr Glu Gln Pro
100 105 110
Leu Val Phe Lys Thr Ala Phe Ala Pro Val Asp Pro Asn Gly Lys Asn
115 120 125
Ile Lys Lys Glu Val Gly Lys Ile Leu Cys Thr Asp Cys Ala Thr Arg
130 135 140
Pro Lys Leu Lys Lys Met Lys Ser Gln Thr Gly Glu Val Gly Glu Lys
145 150 155 160
Gln Ser Leu Lys Cys Glu Ala Ala Ala Gly Asn Pro Gln Pro Ser Tyr
165 170 175
Arg Trp Phe Lys Asp Gly Lys Glu Leu Asn Arg Ser Arg Asp Ile Arg
180 185 190
Ile Lys Tyr Gly Asn Gly Arg Lys Asn Ser Arg Leu Gln Phe Asn Lys
195 200 205
Val Lys Val Glu Asp Ala Gly Glu Tyr Val Cys Glu Ala Glu Asn Ile
210 215 220
Leu Gly Lys Asp Thr Val Arg Gly Arg Leu His Val Asn Ser Val Ser
225 230 235 240
Thr Thr Leu Ser Ser Trp Ser Gly His Ala Arg Lys Cys Asn Glu Thr
245 250 255

Ala Lys Ser Tyr Cys Val Asn Gly Gly Val Cys Tyr Tyr Ile Glu Gly
260 265 270
Ile Asn Gln Leu Ser Cys Lys Cys Pro Asn Gly Phe Phe Gly Gln Arg
275 280 285
Cys Leu Glu Lys Leu Pro Leu Arg Leu Tyr Met Pro Asp Pro Lys Gln
290 295 300
Ser Val Leu Trp Asp Thr Pro Gly Thr Gly Val Ser Ser Ser Gln Trp
305 310 315 320
Ser Thr Ser Pro Ser Thr Leu Asp Leu Asn
325 330

<210> 13
<211> 182
<212> PRT
<213> Homo sapiens

<400> 13
Arg Gly Glu Gly Ile Ser Phe Pro Ser Lys Leu Gln Gly His Cys Gly
1 5 10 15
Ser Val Glu Arg Gly Asn Arg Trp Val Thr Ala Gly Glu Pro Gln Pro
20 25 30
Ala Leu Ala His Ala Ser Pro Pro Phe Ile Pro Ser Leu Thr Arg Lys
35 40 45
Asn Ser Arg Leu Gln Phe Asn Lys Val Lys Val Glu Asp Ala Gly Glu
50 55 60
Tyr Val Cys Glu Ala Glu Asn Ile Leu Gly Lys Asp Thr Val Arg Gly
65 70 75 80
Arg Leu Tyr Val Asn Ser Val Ser Thr Thr Leu Ser Ser Trp Ser Gly
85 90 95
His Ala Arg Lys Cys Asn Glu Thr Ala Lys Ser Tyr Cys Val Asn Gly
100 105 110
Gly Val Cys Tyr Tyr Ile Glu Gly Ile Asn Gln Leu Ser Cys Lys Cys
115 120 125
Pro Asn Gly Phe Phe Gly Gln Arg Cys Leu Glu Lys Leu Pro Leu Arg
130 135 140
Leu Tyr Met Pro Asp Pro Lys Gln Ser Val Leu Trp Asp Thr Pro Gly
145 150 155 160
Thr Gly Val Ser Ser Ser Gln Trp Ser Thr Ser Pro Lys Pro Arg Ser
165 170 175
Cys Thr Arg Arg Gly Ser
180

<210> 14
<211> 3020
<212> DNA
<213> Homo sapiens

<400> 14
cctccaggtc ctggcgacaca ggggtgggagc gctgcgctgc gccgcgctgc gcatcgcggc 60
ccgcttgccg cctgccccct gccctagctg ggccacctcc ccgggctgcc ggtggagggc 120
taagaggcgc taacgttacg ctgtttccgg ttttccagcg ggctctgttt cccctcccaa 180
ggcggcggcg gctgagcggc ggagcccccc aaatggcctg gccagatgcg gcaggtttgc 240
tgctcagcgc tgccgcccgc gccactggag aagggtcggg gcagcagcta cagcgacagc 300
agcagcagca gcagcgagag gagcagcagc agcagcagca gcagcagcga gagcggcagc 360
agcagcagga gcagcagcaa caacagcagc atctctcgtc ccgctgcgcc ccagagccg 420

cgcccgagc	aacagccgca	gccccgcagc	cccgagcccc	ggagagccgc	cgcccgttcg	480
cgagccgcag	ccgcccggcg	catgagggcg	gacccggccc	ccggctttct	catgctgctc	540
ttcgggtgtg	cgctcgcccg	ctactcgccc	agcctcaagt	cagtgcagga	ccaggcgtag	600
aaggcaccgc	tgggtggtgga	gggcaaggta	caggggctgg	tcccagccgg	cggctccagc	660
tccaacagca	cccagagagc	gcccgcctcg	ggtcgggtgg	cgttggtaaa	ggtgctggac	720
aagtggccgc	tccggagcgg	ggggtctgag	cgcgagcagg	tgatcagcgt	gggtcctctg	780
gtgccgctcg	aaaggaacca	gcgtacatc	tttttctctg	agcccacgga	acagccctta	840
gtctttaaga	cggcctttgc	ccccctcgat	accaacggca	aaaatctcaa	gaaagaggtg	900
ggcaagatcc	tgtgcaactg	ctgcgccacc	cggcccaagt	tgaagaagat	gaagagccag	960
acgggacagg	tgggtgagaa	gcaatcgctg	aagtgtgagg	cagcagccgg	taatccccag	1020
ccttcctacc	gttggttcaa	ggatggcaag	gagctcaacc	gcagccgaga	cattcgcatc	1080
aaatatggca	acggcagaaa	gaactcacga	ctacagttca	acaaggtgaa	ggtggaggac	1140
gctggggagt	atgtctgcga	ggccgagaa	atcctgggga	aggacaccgt	ccggggcccg	1200
ctttacgtca	acagcgtgag	caccaccctg	tcatcctggg	cggggcacgc	ccggaagtgc	1260
aacgagacag	ccaagtctta	ttgcgtcaat	ggaggcgtct	gctactacat	cgagggcatc	1320
aaccagctct	cctgcaaatg	tccaaatgga	ttcttcggac	agagatgttt	ggagaaactg	1380
cctttgcgat	tgtacatgcc	agatcctaag	caaaaagccg	aggagctgta	ccagaagagg	1440
gtcctgacca	tcacgggcat	ctgcgtggct	ctgctggctg	tgggcatcgt	ctgtgtggtg	1500
gcctactgca	agacaaaaaa	acagcgggaag	cagatgcaca	accacctccg	gcagaacatg	1560
tgcccgcccc	atcagaaccg	gagcttgggc	aatgggcccc	gccacccccg	gctggacca	1620
gaggagatcc	agatggcaga	ttatatcttc	aagaacgtgc	cagccacaga	ccatgtcatc	1680
aggagagaaa	ctgagaccac	cttctctggg	agccactcct	gttctccttc	tcaccactgc	1740
tccacagcca	cacccacctc	cagccacaga	cacgagagcc	acacgtggag	cctggaacgt	1800
tctgagagcc	tgacttctga	ctcccagtcg	gggatcatgc	tatcatcagt	gggtaccagc	1860
aaatgcaaca	gcccagcatg	tgtggaggcc	cgggcaaggc	gggcagcagc	ctacaacctg	1920
gaggagcggc	gcagggccac	cgcgccaccc	tatcacgatt	ccgtggactc	ccttcgcgac	1980
tccccacaca	gcgagaggta	cgtgtcgggc	ctgaccacgc	ccgcgcgcct	ctcgcccgtg	2040
gacttccact	actcgctggc	cacgcagggt	ccaactttcg	agatcacgtc	ccccaaactc	2100
gcgcacgccc	tgtcgctgcc	gccggcggcg	ccatcagtt	accgcctggc	cgagcagcag	2160
ccgttactgc	ggcaccgcgc	gccccccggc	ccgggacccg	gacccggggc	cggggcccg	2220
cccggcgcag	acatgcagcg	cagctatgac	agctactatt	accccgcggc	ggggcccgga	2280
ccgcggcgcg	ggacctgcgc	gctcgggggc	agcctgggca	gcctgcctgc	cagccccctc	2340
cgcacccccg	aggacgacga	gtacgagacc	acgcaggagt	gcgcgcccc	gccgcgcgcg	2400
cggccgcgcg	cgcgcgggtg	gtcccgcagg	acgtcgggcg	ggccccggcg	ctggcgccgc	2460
tcgcgcctca	acgggctggc	ggcgcagcgc	gcacggggcg	cgagggactc	gctgtcgctg	2520
agcagcggct	cgggcggcg	ctcagcctcg	gcgtcggacg	acgacgcgga	cgacgcggac	2580
ggggcgctgg	cggccgagag	cacacctttc	ctgggcctgc	gtggggcgca	cgacgcgtg	2640
cgctcgga	cgcgccact	gtcccggcg	gccgacagca	ggacttacta	ctcactggac	2700
agccacagca	cgcgggccag	cagcagacac	agccgcgggc	cgcgcccgcg	ggccaagcag	2760
gactcggcgc	cactctaggg	ccccgcgcgc	cgcctctcgc	ccccgcgcgc	ccactatct	2820
ttaaggagac	cagagaccgc	ctactggaga	gaaaggagga	aaaaagaaat	aaaaatatct	2880
ttattttcta	taaaaggaaa	aaagtataac	aaaatgtttt	attttcattt	tagcaaaaat	2940
tgtcttataa	tactagctaa	cggcaaaaggc	gtttttatag	ggaaactatt	tatatgtaac	3000
atcctgattt	acagcttcgg					3020